



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

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JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

3/22/11

Frank Ribeiro
Assistant District Attorney, Plymouth County

Dear ADA Ribeiro,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan and Peter Piro.
3. Control Cards with analytical results for sample # [REDACTED]
4. Analysis sheets with the custodial chemist's hand notations and test results.
5. GC/MS Spectral analytical data for sample # [REDACTED]

I, Annie Dookhan, was the custodial chemists and performed the testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in cursive script, appearing to read "Annie Khan".

Annie Khan (Dookhan)
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst

December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician

September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

TRAINING AND ORGANIZATIONS

- * Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.
- * Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.
- * Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27th 1995.
- * Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.
- * Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25th 2002, at Agilent Technologies.
- * Notary Public since 1993.

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00


1:00 – 3:00

DRUG RECEIPT

City or Department: MIDDLEBURY Police Reference No.: 

Name and Rank of Submitting Officer: DET. TIM NEEDHAM

Defendant(s) Name (last, first, initial):



To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

PLASTIC ZIPLOCK BAG CONTAINING 28
WHITE OBLONG PILLS STAMPED "H357"

29.93g



Received by:



Date:

11-19-10

No. [REDACTED]

Date Analyzed: 2-22-11

City: Middleboro Police Dept.

Officer: Detective TIM NEEDHAM

Def: [REDACTED]

Amount: 28.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 11/19/2010

No. Analyzed:

Gross Wt.: 29.93

Net Weight:

Tests: 1 ASD

• 2 PPID

Prelim: Hydrocodone

Findings: Hydrocodone

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Middleboro ANALYST ASJ

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

28 white oval tablet
in pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 17.7032



PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Muonaclo A 10

PRELIMINARY TEST RESULTS

RESULTS Hydrocodone

DATE 2-16-11

GC/MS CONFIRMATORY TEST

RESULTS Hydrocodone

MS
OPERATOR PJP

DATE 2-22-11

POISINDEX® Product List

Hydrocodone Bitartrate And Acetaminophen

Regulatory-Status: Schedule III

Ingredients

Active-Ingredients: Hydrocodone Bitartrate - 5 MG
Acetaminophen - 500 MG

Excipients: Crospovidone
Magnesium Stearate
Cellulose, Microcrystalline
Povidone
Starch, Pregelatinized
Silicon Dioxide
Stearic Acid

Availability & Manufacturing

Availability: United States

Available-Container-Sizes: Bottle of 30; Bottle of 100; Bottle of 500; Strip of 100; Bottle of 60; Bottle of 90; Strip of 450

Contact: Covidien Mallinckrodt

Product ID: 6685436

AAPCC Code: 201063 - Acetaminophen with Hydrocodone

Registry Numbers: NDC 00406-0357-03
NDC 00406-0357-01
NDC 00406-0357-05
NDC 00406-0357-62
NDC 00406-0357-06
NDC 00406-0357-09
NDC 00406-0357-33

Physical Description

Imprint: M357

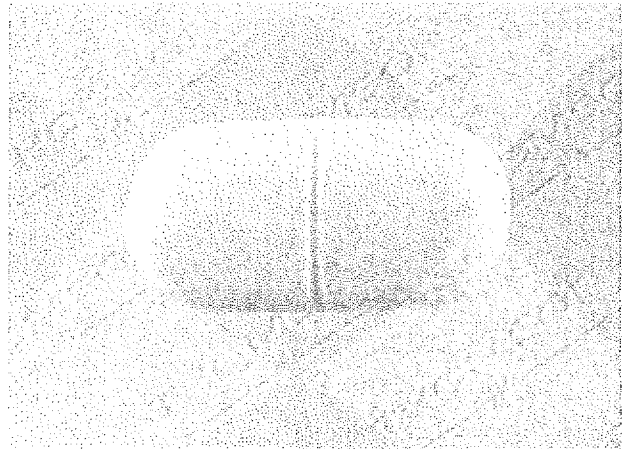
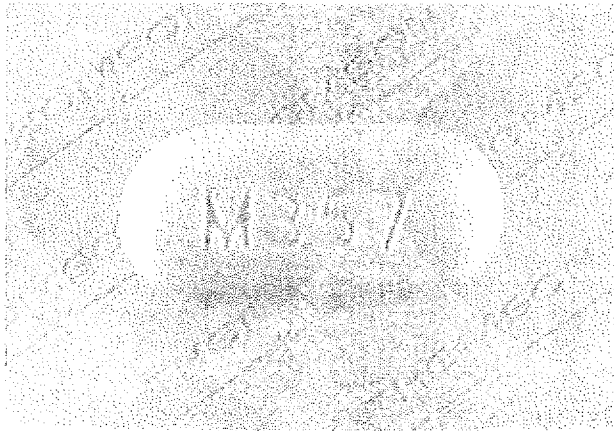
Alt Imprint: M 357

Form: Oral Tablet

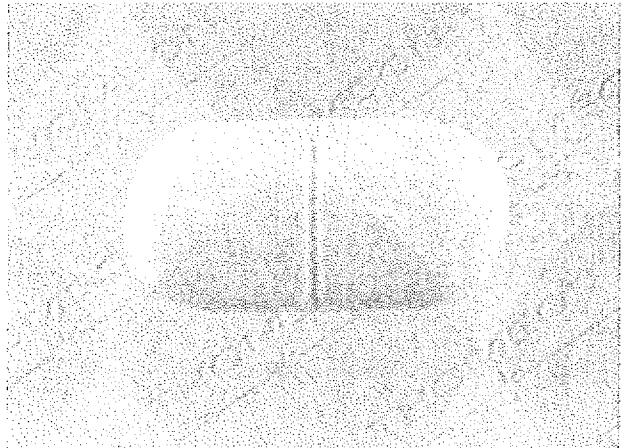
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Shape: Capsule-shape

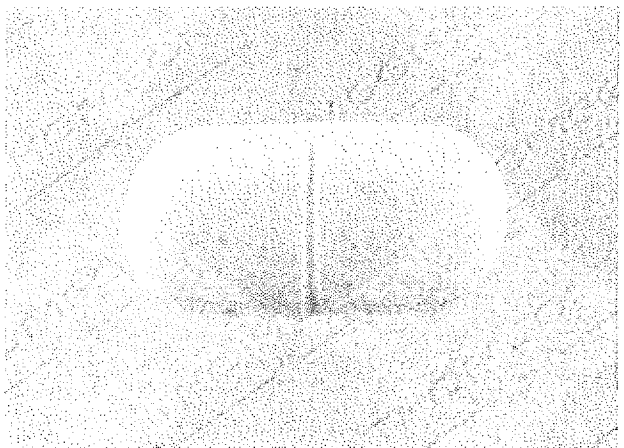
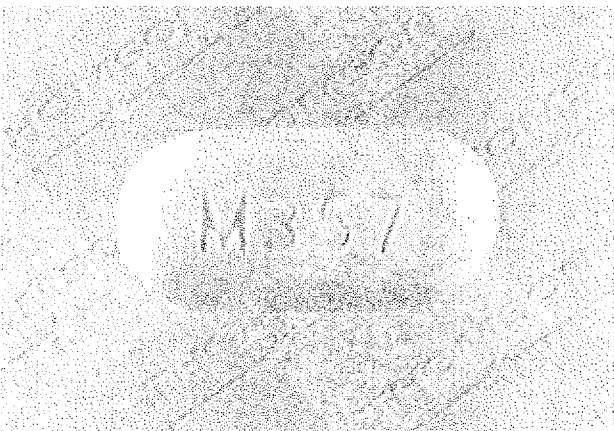
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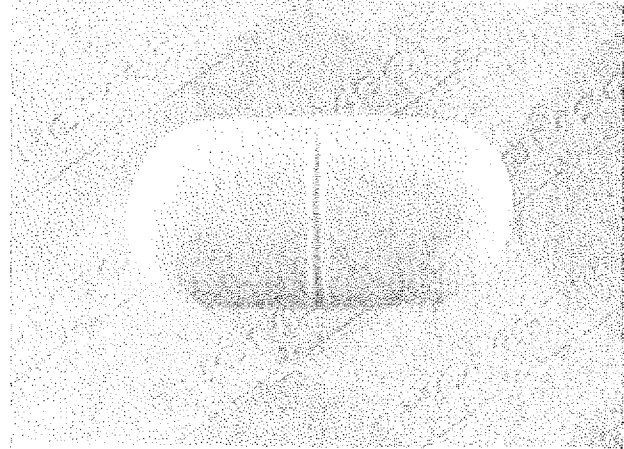
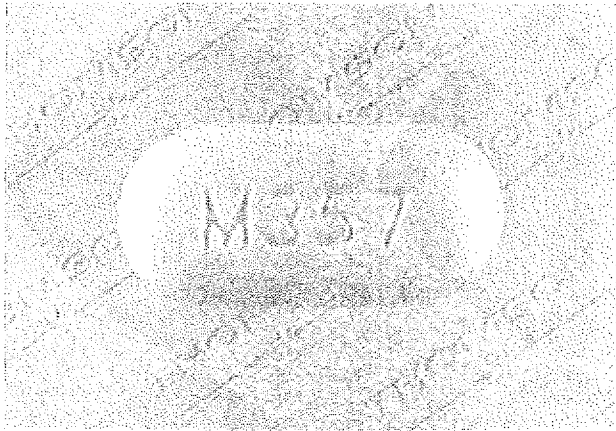
Images for NDC 00406-0357-33



Images for NDC 00406-0357-62



Images for NDC 00406-0357-33

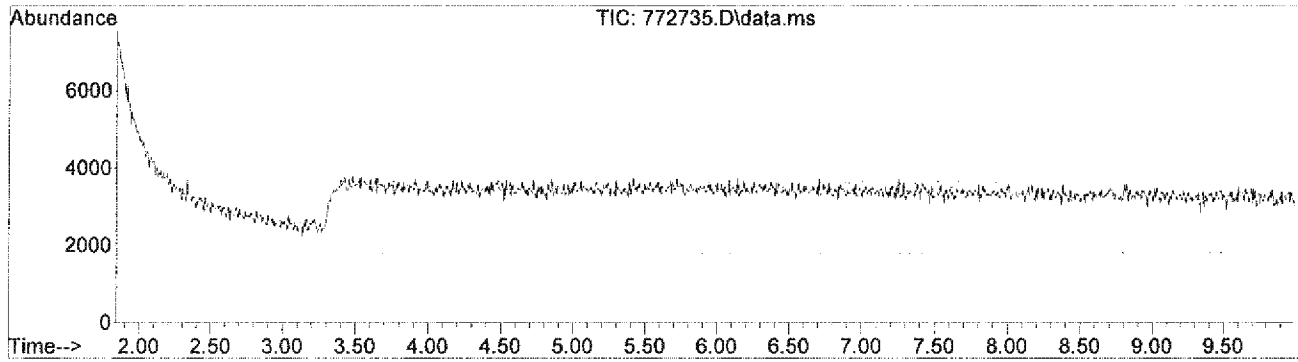


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✓ P.P.O.
3-16-11

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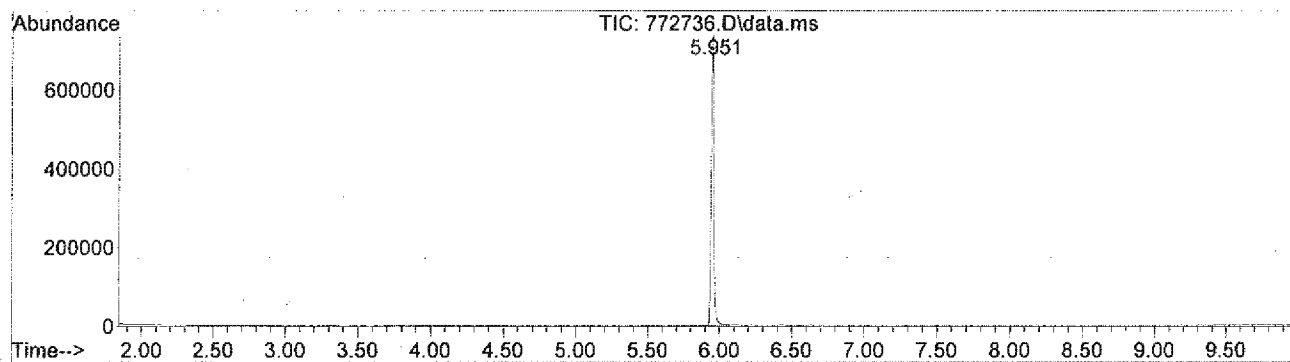
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Operator : P. PIRO
Date Acquired : 18 Feb 2011 21:34
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:
File Name : D:\System8\02_18_11\772736.D
Operator : P. PIRO
Date Acquired : 18 Feb 2011 21:47
Sample Name : HYDROCODONE STD
Submitted by :
Vial Number : 36
AcquisitionMeth: DRUGS.M
Integrator : RTE



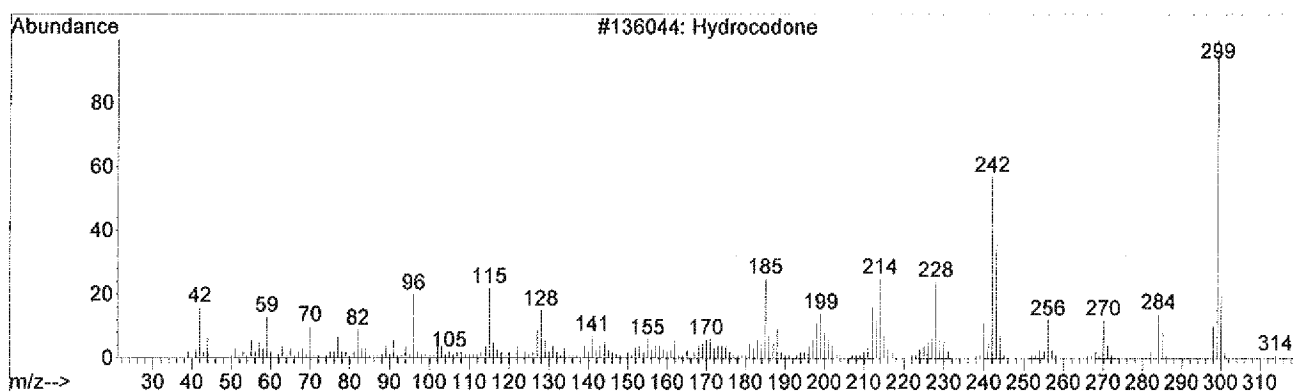
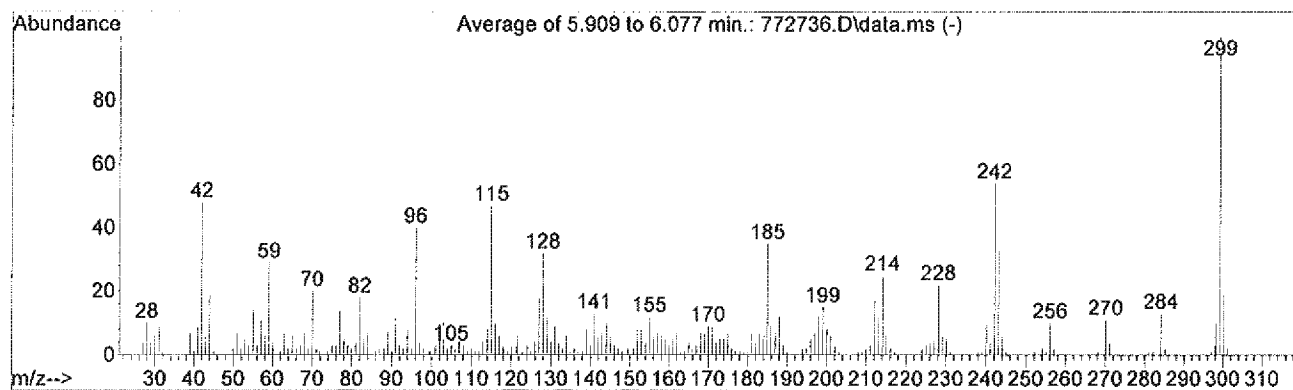
| Ret. Time | Area | Area % | Ratio % |
|-----------|--------|--------|---------|
| 5.951 | 910965 | 100.00 | 100.00 |

Information from Data File:

File Name : D:\System8\02_18_11\772736.D
Operator : P. PIRO
Date Acquired : 18 Feb 2011 21:47
Sample Name : HYDROCODONE STD
Submitted by :
Vial Number : 36
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

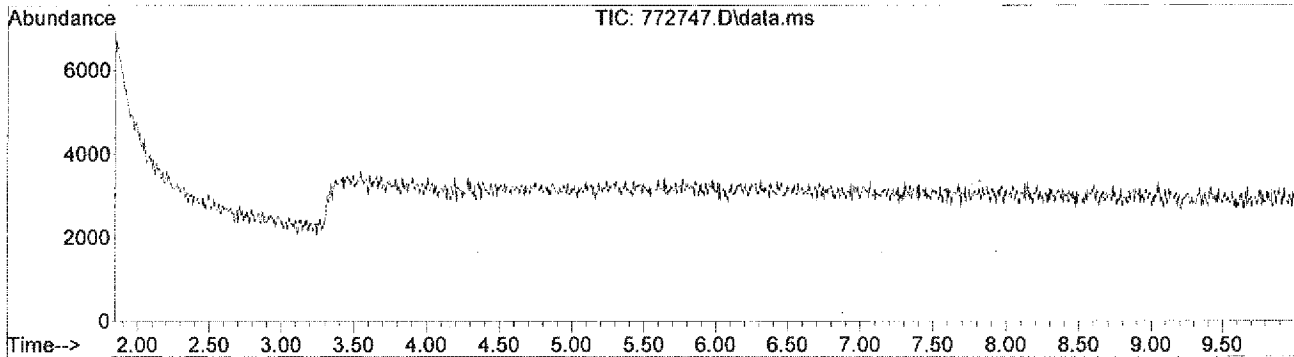
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 1 | 5.95 | C:\Database\NIST08.L | | |
| | | Hydrocodone | 000125-29-1 | 99 |
| | | Hydrocodone | 000125-29-1 | 99 |
| | | Hydrocodone | 000125-29-1 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\02_18_11\772747.D
 Operator : P. PIRO
 Date Acquired : 19 Feb 2011 00:12
 Sample Name : BLANK
 Submitted by : ASD
 Vial Number : 1
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



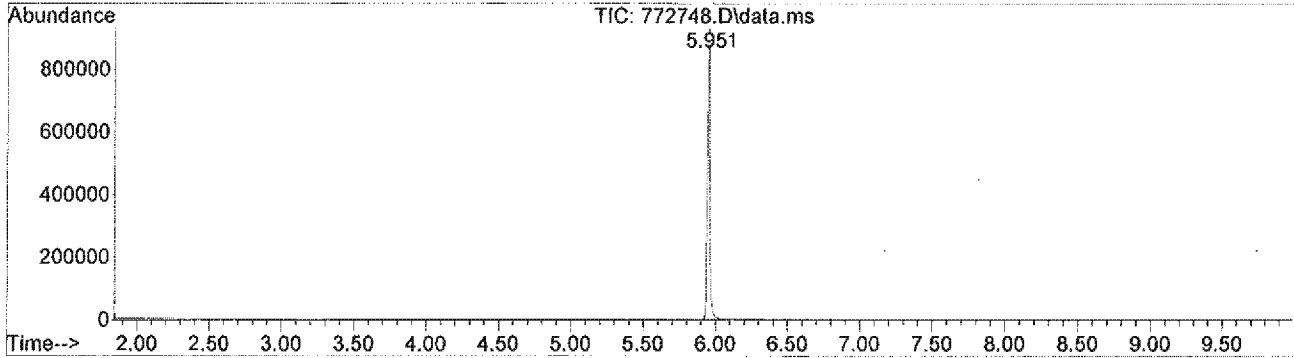
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\02_18_11\772748.D
Operator : P. PIRO
Date Acquired : 19 Feb 2011 00:25
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 5.951 | 1073567 | 100.00 | 100.00 |

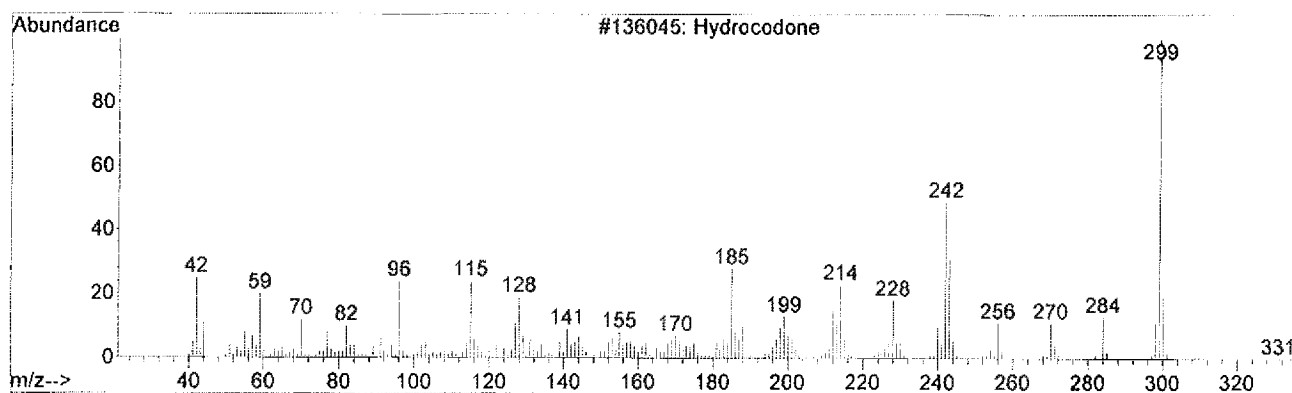
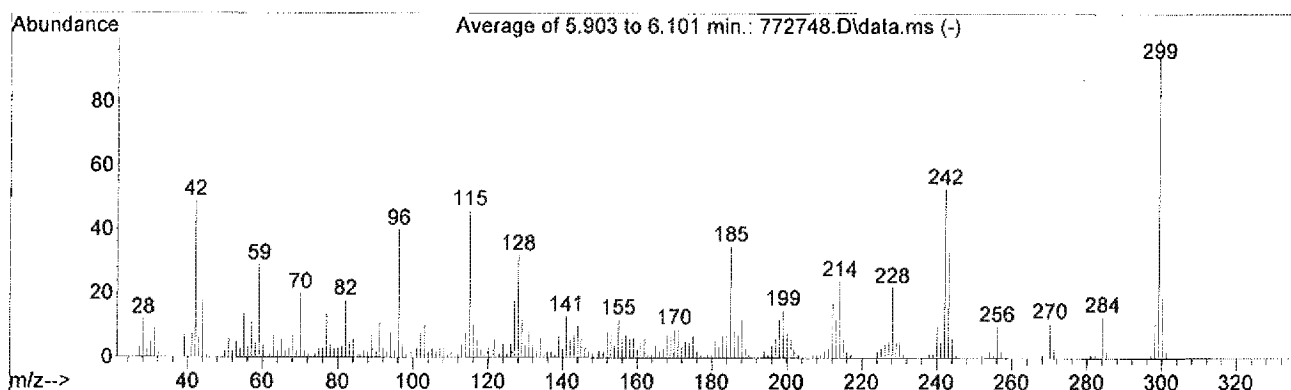
Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\02_18_11\772748.D
 Operator : P. PIRO
 Date Acquired : 19 Feb 2011 00:25
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 48
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

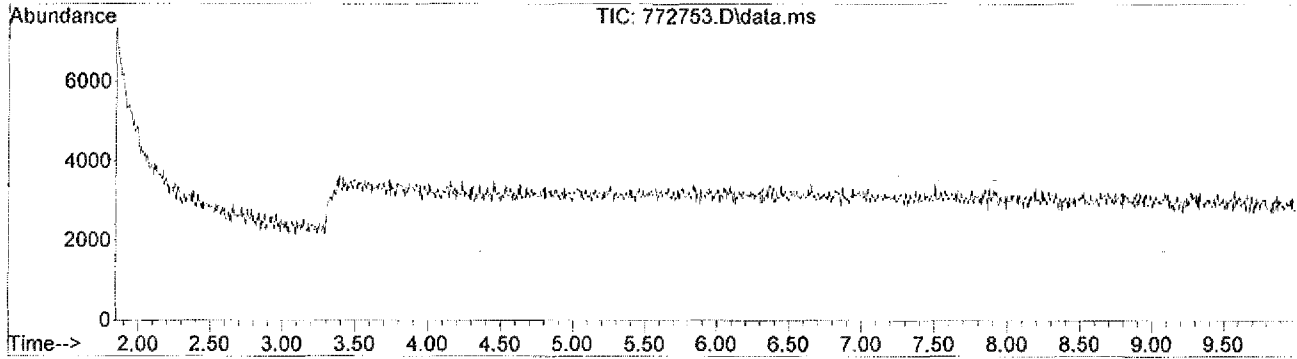
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|-----|------|----------------------|-------------|------|
| 1 | 5.95 | C:\Database\NIST08.L | | |
| | | Hydrocodone | 000125-29-1 | 99 |
| | | Hydrocodone | 000125-29-1 | 99 |
| | | Hydrocodone | 000125-29-1 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\02_18_11\772753.D
Operator : P. PIRO
Date Acquired : 19 Feb 2011 1:30
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



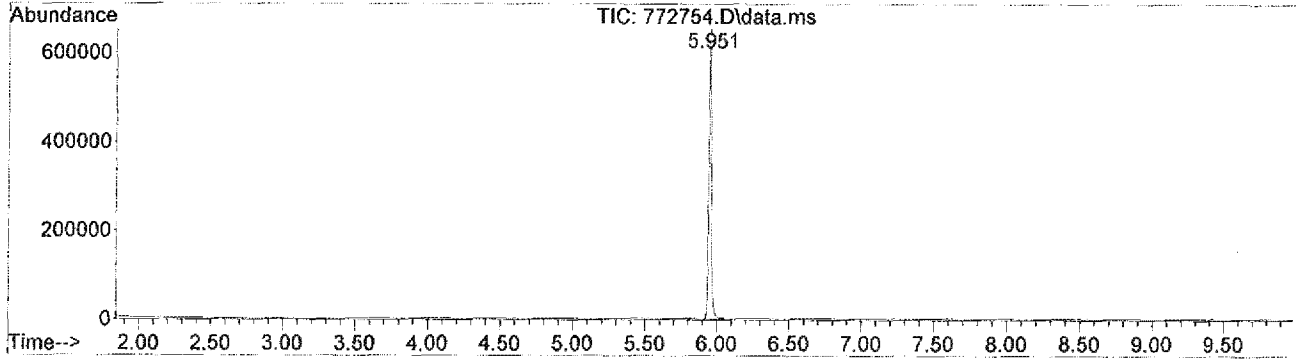
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\02_18_11\772754.D
 Operator : P. PIRO
 Date Acquired : 19 Feb 2011 1:43
 Sample Name : HYDROCODONE STD
 Submitted by :
 Vial Number : 36
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|--------|--------|---------|
| 5.951 | 785723 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\02_18_11\772754.D
 Operator : P. PIRO
 Date Acquired : 19 Feb 2011 1:43
 Sample Name : HYDROCODONE STD
 Submitted by :
 Vial Number : 36
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 1 | 5.95 | C:\Database\NIST08.L | | |
| | | Hydrocodone | 000125-29-1 | 99 |
| | | Hydrocodone | 000125-29-1 | 99 |
| | | Hydrocodone | 000125-29-1 | 99 |

